FIG. 1

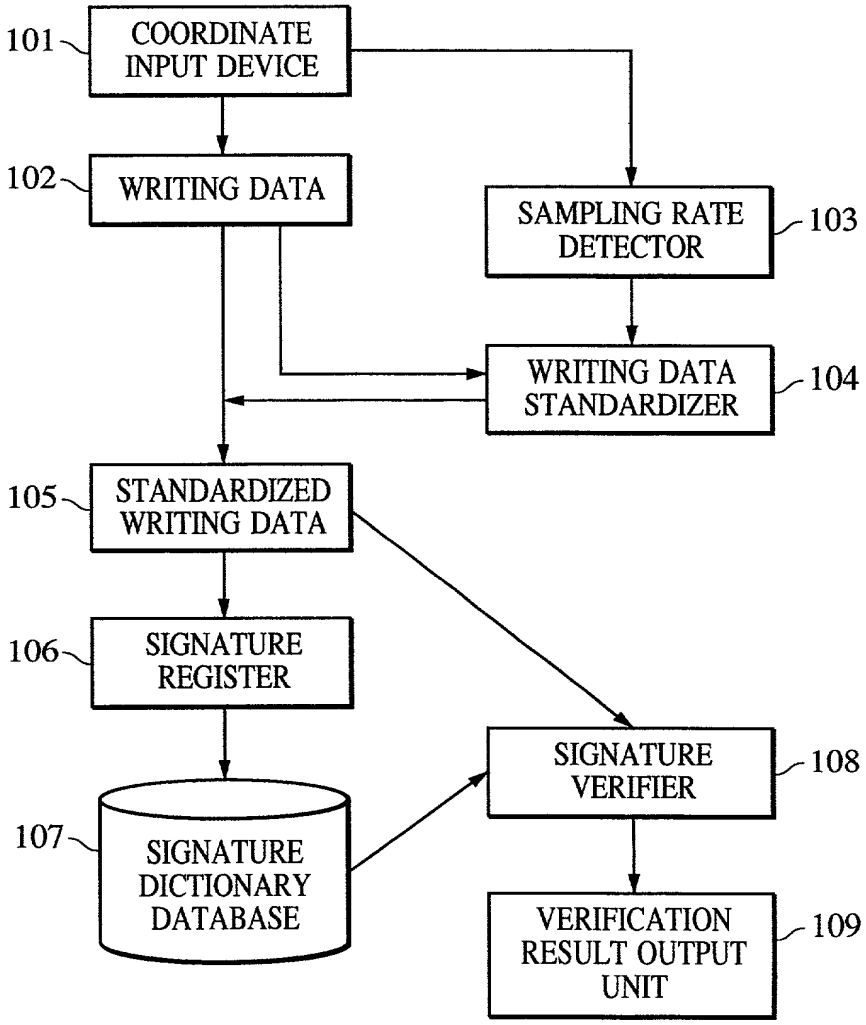

101
COORDINATE INPUT DEVICE
102
WRITING DATA
SAMPLING RATE DETECTOR
103
WRITING DATA STANDARDIZER
104
105
STANDARDIZED WRITING DATA
106
SIGNATURE REGISTER
107
SIGNATURE DICTIONARY DATABASE
SIGNATURE VERIFIER
108
VERIFICATION RESULT OUTPUT UNIT
109

FIG. 2

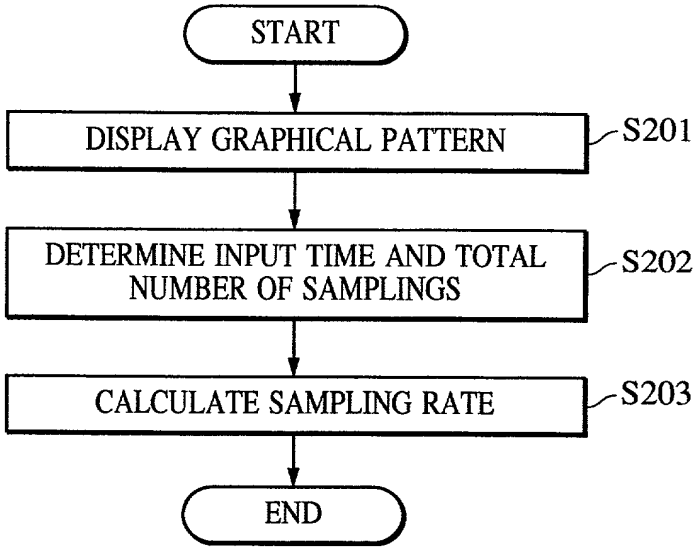

START
DISPLAY GRAPHICAL PATTERN
S201
DETERMINE INPUT TIME AND TOTAL NUMBER OF SAMPLINGS
S202
CALCULATE SAMPLING RATE
S203
END

FIG. 3

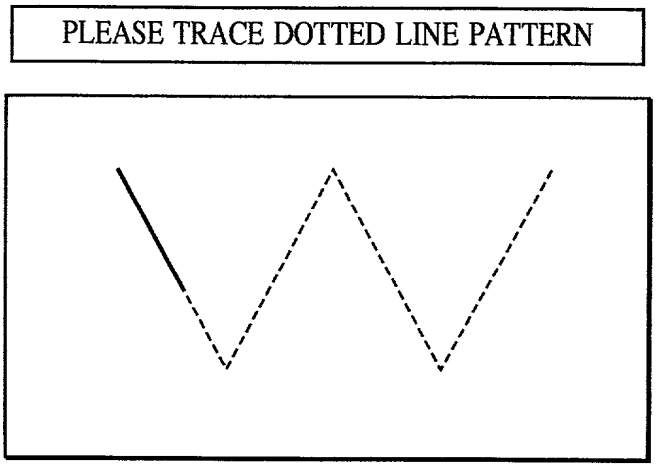

PLEASE TRACE DOTTED LINE PATTERN

FIG. 4

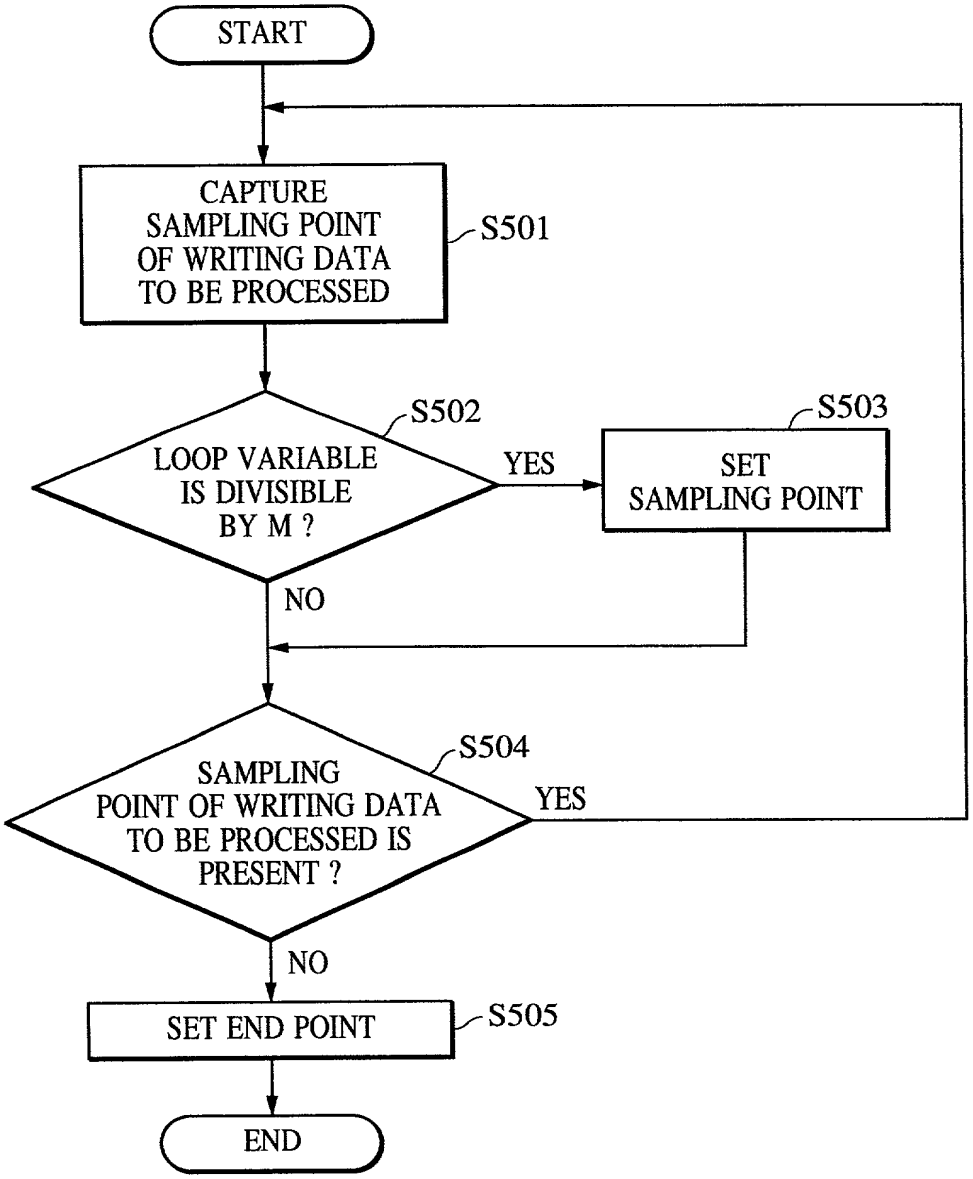

START
CAPTURE SAMPLING POINT OF WRITING DATA TO BE PROCESSED
S501
LOOP VARIABLE IS DIVISIBLE BY M ?
S502
YES
SET SAMPLING POINT
S503
NO
SAMPLING POINT OF WRITING DATA TO BE PROCESSED IS PRESENT ?
S504
YES
NO
SET END POINT
S505
END

FIG. 5

X1 (t1)	X2 (t1)	X3 (t1)	X4 (t1)	t1
X1 (t2)	X2 (t2)	X3 (t2)	X4 (t2)	t2
X1 (t3)	X2 (t3)	X3 (t3)	X4 (t3)	t3
⋮	⋮	⋮	⋮	⋮
X1 (tn)	X2 (tn)	X3 (tn)	X4 (tn)	tn

FIG. 6

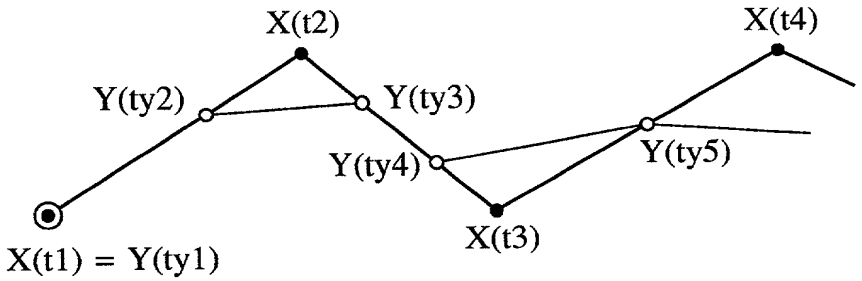

X(t2)
X(t4)
Y(ty2)
Y(ty3)
Y(ty4)
Y(ty5)
X(t3)
X(t1) = Y(ty1)

FIG. 7

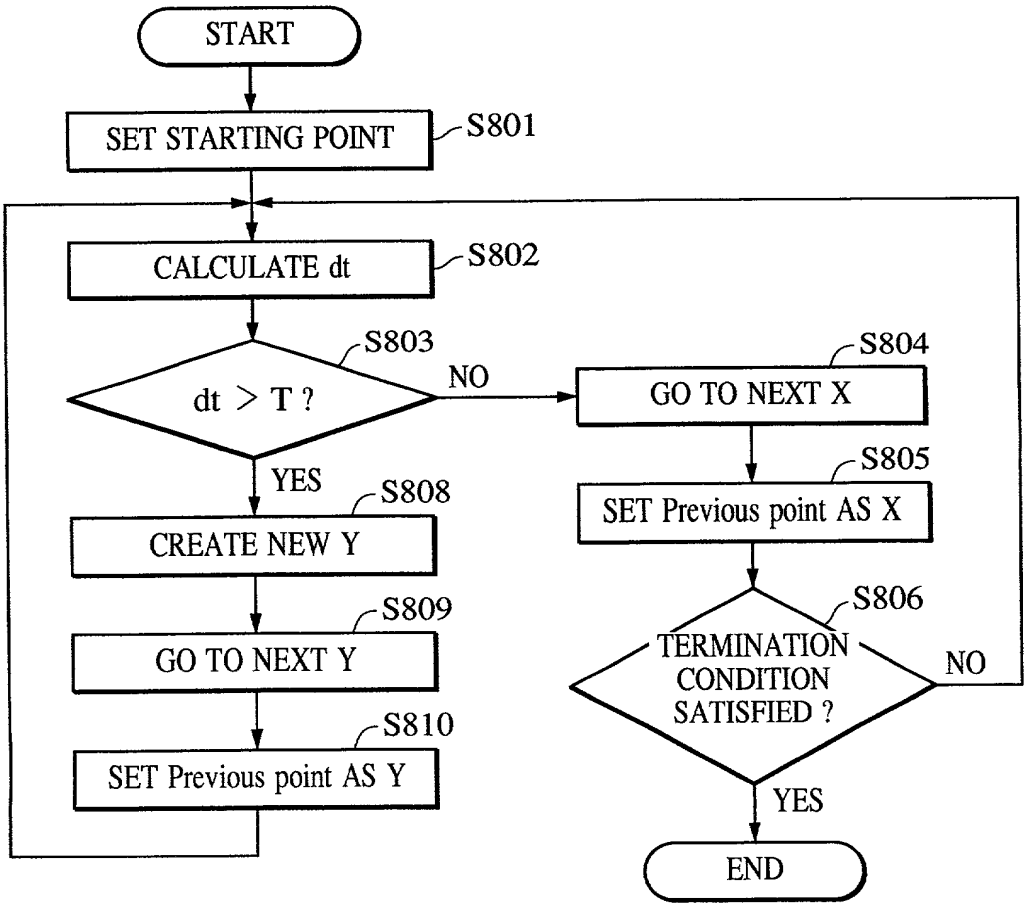

START
SET STARTING POINT
S801
CALCULATE dt
S802
S803
dt > T ?
NO
S804
GO TO NEXT X
S805
SET Previous point AS X
S806
TERMINATION CONDITION SATISFIED ?
NO
YES
END
YES
S808
CREATE NEW Y
S809
GO TO NEXT Y
S810
SET Previous point AS Y

FIG. 8

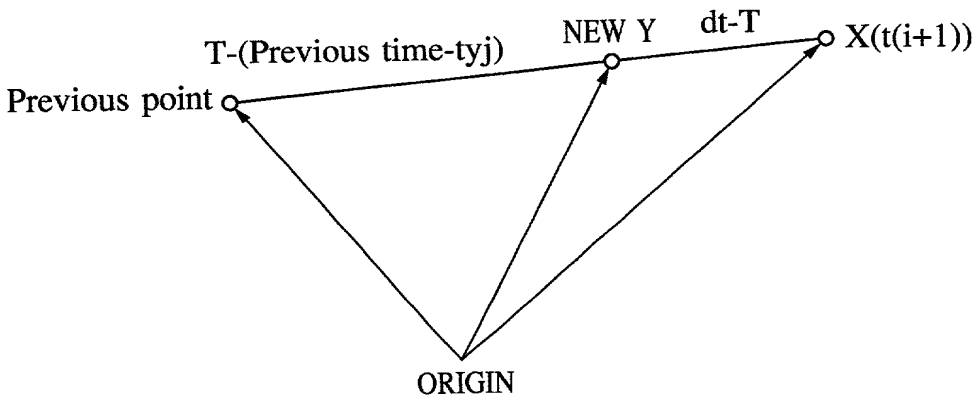
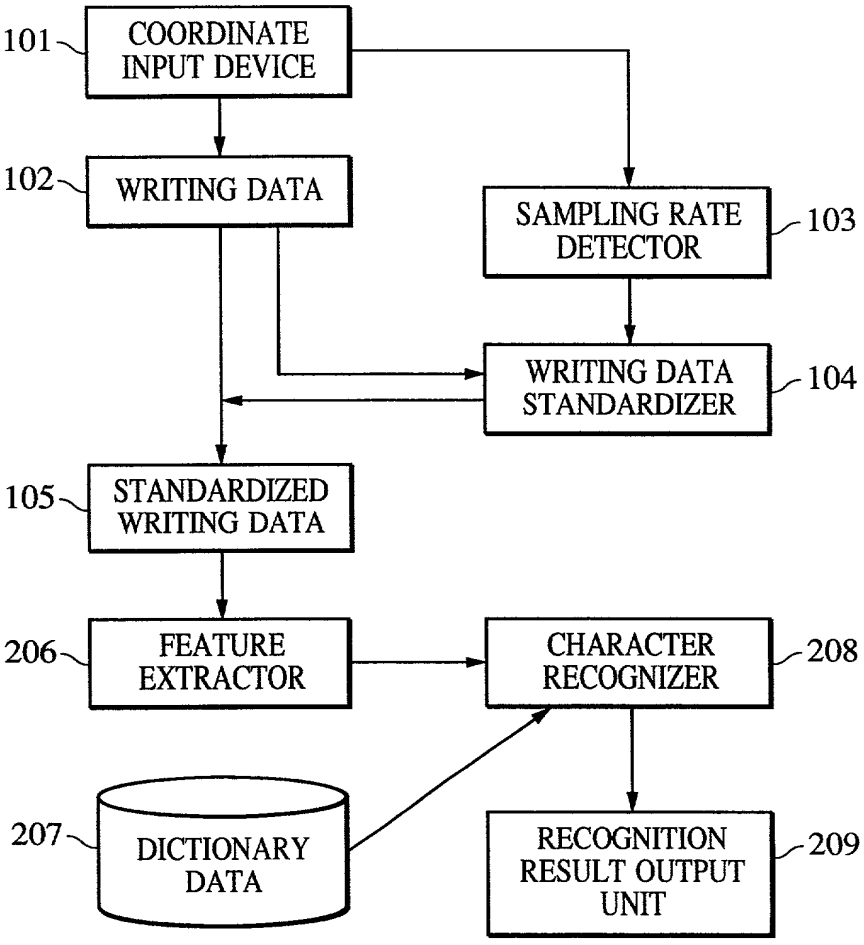


FIG. 9


101
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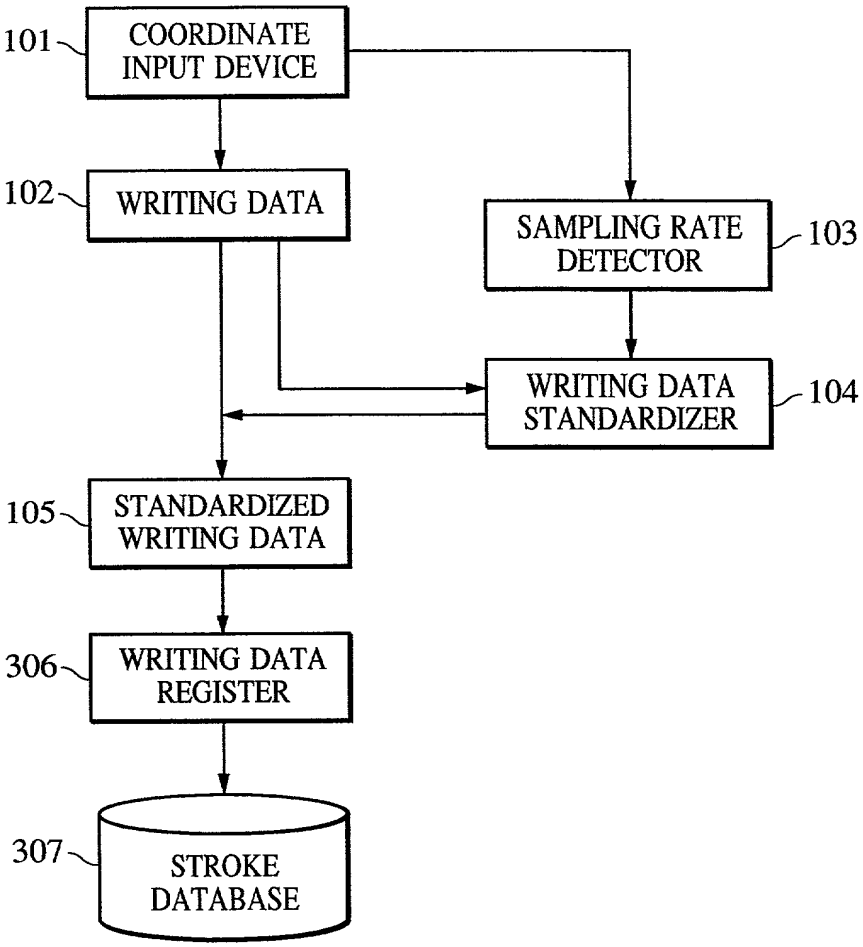
WRITING DATA
SAMPLING RATE DETECTOR
103
WRITING DATA STANDARDIZER
104
105
STANDARDIZED WRITING DATA
206
FEATURE EXTRACTOR
CHARACTER RECOGNIZER
208
207
DICTIONARY DATA
RECOGNITION RESULT OUTPUT UNIT
209

FIG. 10


101
COORDINATE INPUT DEVICE
102
WRITING DATA
SAMPLING RATE DETECTOR
103
WRITING DATA STANDARDIZER
104
105
STANDARDIZED WRITING DATA
306
WRITING DATA REGISTER
307
STROKE DATABASE